

THURSDAY - NOVEMBER 3, 2003 - 10:31 AM

Editor: Pamela Manning x4072**We Remember
Sept. 11, 2001****DECEMBER 2004***patience, peace and hope.***HAPPY HOLIDAYS!!****A Note From Our Chairman**

I would like to wish everyone a joyous holiday season and a happy and healthy New Year. 2004 has been a very productive year for our programs. RHIC performance was outstanding and way beyond our most optimistic performance estimates. NSRL delivered everything and even more than the experiments asked for. Two new projects have shown the first glimmerings of coming into existence. The EBIS Project received CD0 status, mission need approval, by DOE. NASA is now discussing joint funding with DOE to expedite EBIS construction. EBIS will enhance the beam performance of both RHIC and NSRL. The AGS fixed target program is slowly returning back to life from a several year dormancy period. Congress has just passed a \$15M construction start for this project in 2005. Yes folks, there is a Santa Claus.

Our safety weeks were a great success. There is a lot that we learned and therefore a lot to be done to improve our performance. Please remember that we should all;

THINK SAFETY, ACT WISELY.

Have a great New Year.

Derek Lowenstein**Administration**

Although the President has signed the Energy and Water Development Appropriations Bill, we are still on Continuing Resolution through December 31, 2004. Full funding levels for FY 2005 are expected in January, but we do not know the specifics at this time. Continued restraint in spending is requested.

John Brinker**RHIC Update**

Operations with beam in RHIC started November 22, with the first copper beam circulating in the blue ring only 56 minutes after the first injection. Up to a good start, we thought at the time, after a long run preparation, 3 dry-runs, cool-down and system testing.

The week thereafter, with the yellow cool-down still in progress, was spent mostly on systems work during the day and beam work at night. On December 3rd, we had copper beam accelerated to top energy in the blue ring and stored with good lifetime. In the meanwhile, the injector complex regularly was delivering high intensity, with the copper high bunch intensity goal of the run reached in less than 2 weeks of development. During yellow system testing, however, a first problem emerged, a short to ground in the 10 o'clock sector. While technical solutions to allow us to run were tested, another and more serious problem emerged: a bus-to-bus short in the 12 o'clock sector, for which no viable alternative existed other than warming up the affected sectors and repairing the failure.

Warm-up started on December 4th and repairs of the 12 o'clock short, eventually located in the Q3 splice, are in progress now. Electrical, mechanical, vacuum and cryogenics work are coordinated and planned to minimize the overall repair time. We hope to be back working with both beams in less than 2 weeks, to set-up the machine for the upcoming physics run with copper collisions at 100 GeV/u.

Fulvia Pilat



SNS

It is hard to believe that the ground-breaking ceremony for the SNS Project took place just five years ago this month (Dec.) at Oak Ridge, Tennessee. What's even harder to believe is that in just three more months (March '05), BNL will "roll-off" the Project having successfully met or exceeded our commitments and obligations related to the design, production, testing and delivery of the accumulator components that make up the SNS Ring and Transport lines. As you know, these components include all the magnets, vacuum systems, power supplies, collimators, diagnostic devices, RF systems and controls that extend from the superconducting linac to the mercury target station (~700 meters in total). This overall effort was accomplished by drawing upon the professional, talented and capable resources within C-AD for services such as administration, trades labor, QA, tech assembly and support, survey, design, documentation, engineering and accelerator physics. I am sure that the next three months will go as smoothly as the first sixty.

Other news:

Chicane #1, the injection septum magnets and their support stands were shipped to SNS/OR.

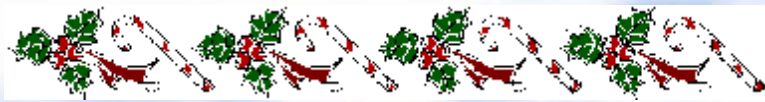
Extraction Lambertson septum (Alpha Magnetics): Two of the six coils have been wound and potted; a third is being wound. Work on the core is progressing well at Allied Engineering, a sub-contractor to Alpha. The circulating beam tube has been fabricated and was flown to BNL for coating.

RTBT bend magnet, 17D224 (Pioneer Steel): In our last weekly teleconference, Pioneer stated that the magnet core is ~50% complete. They expect to deliver the finished, machined core to BNL around January 1st.

Radiation hardened quads, 36Q85 (Pearson): Magnetic measurements of the first 36Q85 radiation hardened quadrupole are complete. The data have been reviewed and the magnet accepted.

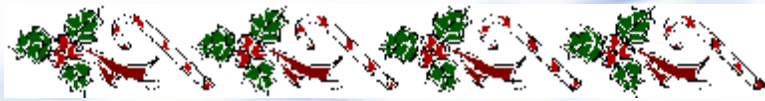
In closing, I would like to take this opportunity on behalf of the entire BNL/SNS Project Team to say thank you for your help and support during this past year and to wish you all a very happy, healthy and safe Holiday Season and New Year!

Bill McGahern



REMINDER: TLD exchange is done the first workday of the month.

NEXT EXCHANGE: Have your TLD on its assigned badge board by
JANUARY 3, 2005



ANN MARIE LUHRS is the person responsible for making our C-AD lobby look so festive. A special thanks from all of us.



We wish all of you born in **DECEMBER** a happy and healthy year ahead.

Birthday people ONLY click on cake



Do you have any information you would like to share with the Particle Post? Or perhaps something you would like to see in the newsletter? If so, please get in touch with Pamela Manning



*C-AD Personnel, RHIC/AGS Users,
Magnet Division Personnel*

***YOU ARE CORDIALLY INVITED
TO ATTEND THE
COLLIDER-ACCELERATOR DEPARTMENT'S
HOLIDAY GATHERING***

THURSDAY, DECEMBER 16, 2004

**BERKNER HALL LOBBY
3:00 - 5:00 p.m.**

*Hors d'oeuvres, desserts, and assorted beverages
will be served.*





DID YOU KNOW????????????

“**Phishing**” is the biggest online scam ever. Please don’t take the bait. Phishing is a nickname for a particular form of identity theft via computer. The name is a pretty good metaphor for a crime in which the bad guys use e-mail lures to “fish” for personal information from an unsuspecting victim. To avoid being phished: First, don’t ever give out your credit card number, password or Social Security number to someone who asks via e-mail. Second, if you receive a message that says there’s trouble with your account, call the customer service number on your statement and discuss your concerns with a real person. Or launch a new browser and type in the name of the website you want. Third, report suspicious e-mails to itdhelp@bnl.gov.



Try this for fun!!!!

Test your wit on holiday trivia by clicking [HERE](#)

HERE'S A QUESTION FOR YOU

Which popular Christmas song was actually first written for Thanksgiving?

Silent Night
Over The River and Through The Woods
Jingle Bells
We Three Kings

Answer given after the calendars



Brookhaven National Laboratory Blood Drive

TUESDAY, DECEMBER 21, 2004



Brookhaven Center

8:30 ~ 4:00 p.m.

Please note extended hours!!

**There is an urgent need for
Blood during the Holiday
Season..... Please Donate!!**

Schedule an appointment at donateblood@bnl.gov
For more information speak to your blood drive
captain or call Susan Foster at ext. 2888



Free Cholesterol testing for all Donors!!

"Give the Gift that Doesn't need wrapping"

For medical information about blood donations call 1-800-688-0900

Long Island Blood Services



Merry Christmas, My Friend

'Twas the night before Christmas, he lived all alone,
In a one-bedroom house made of plaster and stone.
I had come down the chimney, with presents to give
and to see just who in this home did live

As I looked all about, a strange sight I did see,
no tinsel, no presents, not even a tree.
No stocking by the fire, just boots filled with sand.
On the wall hung pictures of a far distant land.

With medals and badges, awards of all kind,
a sobering thought soon came to my mind.
For this house was different, unlike any I'd seen.
This was the home of a U.S. Marine.

I'd heard stories about them, I had to see more,
so I walked down the hall and pushed open the door.
And there he lay sleeping, silent, alone,
curled up on the floor in his one-bedroom home.

He seemed so gentle, his face so serene,
not how I pictured a U. S. Marine.

Was this the hero, of whom I'd just read?
Curled up in his poncho, a floor for his bed?

His head was clean-shaven, his weathered face tan.
I soon understood, this was more than a man.
For I realized the families that I saw that night,
owed their lives to these men, who were willing to fight.

Soon around the Nation, the children would play,
and grown-ups would celebrate on a bright Christmas day.
They all enjoyed freedom, each month and all year,
because of Marines like this one lying here.

I couldn't help wonder how many lay alone,
on a cold Christmas Eve, in a land far from home.
Just the very thought brought a tear to my eye,
I dropped to my knees and I started to cry.

He must have awoken, for I heard a rough voice,
"Santa, don't cry, this life is my choice.
I fight for freedom, I don't ask for more,
My life is my God, my country, my corps."

With that he rolled over, drifted off into sleep,
I couldn't control it, I continued to weep.

I watched him for hours, so silent and still.
I noticed he shivered from the cold night's chill.
So I took off my jacket, the one made of red,
and covered this Marine from his toes to his head.
Then I put on his T-shirt of scarlet and gold,
with an eagle, globe and anchor emblazoned so bold.
And although it barely fit me, I began to swell with pride,
and for one shining moment, I was Marine Corps deep inside.

I didn't want to leave him so quite in the night,
this guardian of honor so willing to fight.
But half asleep he rolled over, and in a voice clean and pure,
said "Carry on, Santa, it's Christmas Day, all secure."
One look at my watch and I knew he was right,
Merry Christmas my friend, Semper Fi and goodnight.

Lance Corporal James M. Schmidt
as it appeared in *Leatherneck* (magazine of the Marines), Dec. 1991

No matter what your religion or belief let us all take a moment
this season to remember those who are away from
their loved ones defending our rights and our country.

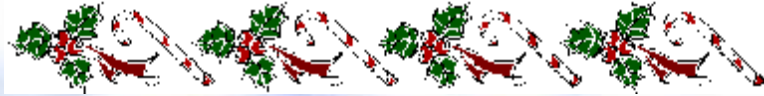
Happy Holiday to All.



ALUMNI NEWS: AGS/RHIC/C-AD RETIRED CROWD -We'd enjoy hearing from you

and what you're up to! Send your notes to pmanning@bnl.gov

You can catch up on all of Eric Forsyth's travels by clicking on his sailing yacht below



<div>  DECEMBER 2004 </div>						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
					All-Hands Meeting - Safety, 10:30am Snyder Sem.	
5	6	7	8	9	10	11
			Happy Hanukkah			
12	13	14	15	16	17	18
	Time Cards Due			BAF Seminar 2:00pm Dr.M. Diwan, Physics, "New Opportunities in Neutrino Physics", Room B, Berkner		
	C-AD Seminar 2:00pm Alexander Koschik, Austria, "Simulation of Transverse Multi-Bunch Instabilities of Proton Beams in LHC",			Holiday Party 3:00pm Berkner Lobby		

	Bldg. 911B, LCR					
19	20	21	22	23	24	25
				Christmas Eve 1/2 Day Holiday	Christmas Holiday	
26	27	28	29	30	31	
					New Year's Holiday	



JANUARY 2005

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 Happy New Year!
2 9	3 10	4 11	5 12	6 13	7 14	8 15
					TIME CARDS DUE RHIC&AGS Forum 12pm - 2pm Berkner Room B	
16	17 Lab Holiday 	18	19	20	21	22



23	24	25	26	27	28	29
	Sylvester James Gates Jr. to give Physics talk on "Superstring/ M-theory: A Lathe for Physics", Berkner Hall 4pm					
30	31					

Though we automatically think of Jingle Bells as a Christmas song, it actually was written in 1857 by James Pierpont for a Thanksgiving program at the large Boston church where he taught Sunday school. Originally titled, "The One Horse Open Sleigh," it featured a jaunty rhythm and catchy words, thus making it easily learned by his 40 little Sunday schoolers. A friend of Pierpont's once called it a "merry little jingle" which helped give the name by which we now know it. The first performance of this song was so well received, that the performers were asked to repeat it again at Christmas time, whereupon the sleigh became Santa's sled and Jingle Bells became a Christmas song forever.